ABSTRACT

In a light curtain generating device comprising a pair of pillar assemblies for supporting arrays of light emitting and receiving units which are placed opposite to each other so as to form a light curtain for detecting an object between the pillar assemblies, the light emitting and receiving unit arrays each consist of a group of single-beam optical modules so that the length of the arrays of light emitting and receiving units and the pitches of the individual light emitting and receiving units can be selected at will. Therefore, the light curtain generating device can readily adapt itself to each particular application at low cost and in a highly precise manner.